

Data File : VV009100.D
Acq On : 20 Dec 2018 23:25
Operator : SY/MD
Sample : J6468-07
Misc : 6.49 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0JG5RE

Quant Time: Dec 21 01:33:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 01:30:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	174072	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	140070	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	46270	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	31616	17.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.20%
7) Chloroethane-d5	1.58	69	37730	28.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	113.40%
10) 1,1-Dichloroethene-d2	2.13	63	64582	14.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	57.36%
20) 2-Butanone-d5	3.94	46	27390	41.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.52%
24) Chloroform-d	4.40	84	101094	24.16	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.64%
26) 1,2-Dichloroethane-d4	5.08	65	61578	26.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.88%
29) Benzene-d6	5.10	84	190441	24.34	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.36%
33) 1,2-Dichloropropane-d6	6.12	67	61425	28.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.20%
37) Toluene-d8	7.36	98	162258	22.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.64%
38) trans-1,3-Dichloropropene-	7.67	79	22468	23.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.40%
39) 2-Hexanone-d5	8.14	63	16208	40.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.80%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	44777	24.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.48%
61) 1,2-Dichlorobenzene-d4	11.68	152	40084	23.08	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.32%

Target Compounds

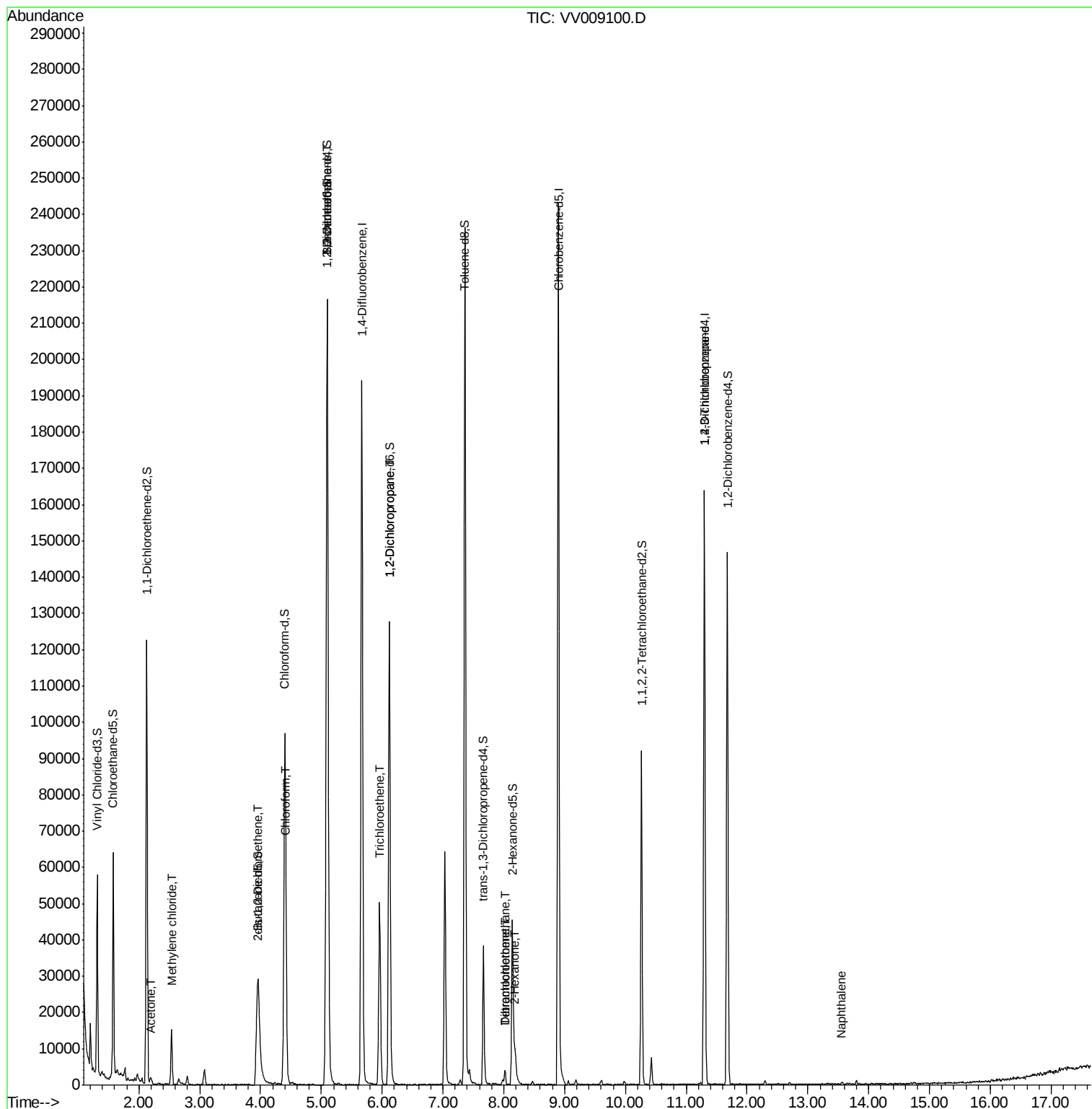
					Qvalue
13) Acetone	2.20	43	1944	2.012 ug/L	62
16) Methylene chloride	2.53	84	6415	2.188 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	1859	0.735 ug/L	94
25) Chloroform	4.43	83	3334	0.790 ug/L	88
27) 1,2-Dichloroethane	5.10	62	1124	0.391 ug/L #	75
35) Trichloroethene	5.96	95	15425	6.097 ug/L	98
40) 1,2-Dichloropropane	6.12	63	6932	3.442 ug/L #	85
47) Tetrachloroethene	8.03	164	965	0.469 ug/L	91
49) 2-Hexanone	8.19	43	4414	3.919 ug/L #	86
50) Dibromochloromethane	8.02	129	928	0.482 ug/L #	11
59) 1,2,3-Trichloropropane	11.30	75	5105	3.252 ug/L	95
69) Naphthalene	13.56	128	891	0.343 ug/L #	70

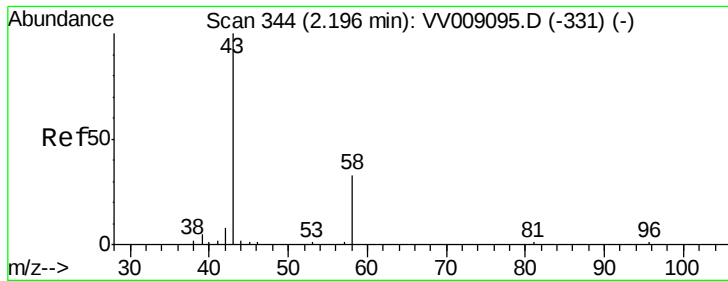
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 2.012 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.01 min

Lab File: VV009100.D

Acq: 20 Dec 2018 23:25

Instrument :

MSVOA_V

ClientSampleId :

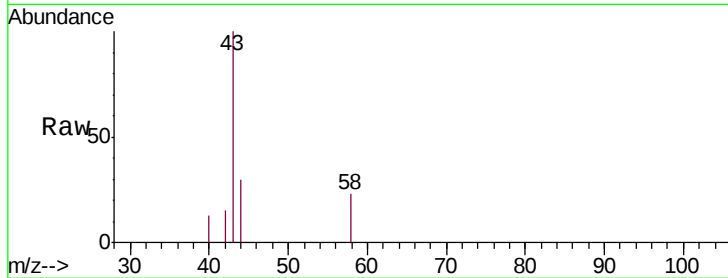
C0JG5RE

Tgt Ion: 43 Resp: 1944

Ion Ratio Lower Upper

43 100

58 11.1 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VV009100.D (-346) (-)

Ion 58.00 (57.70 to 58.70): VV009100.D (-346) (-)

2.20

1000

800

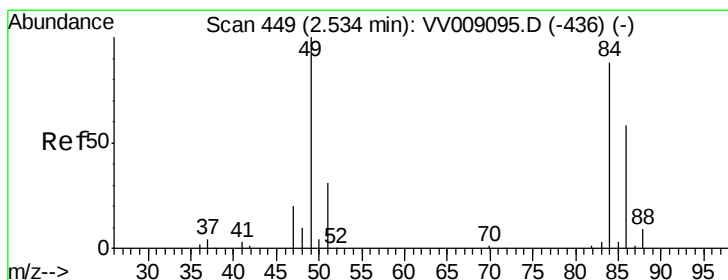
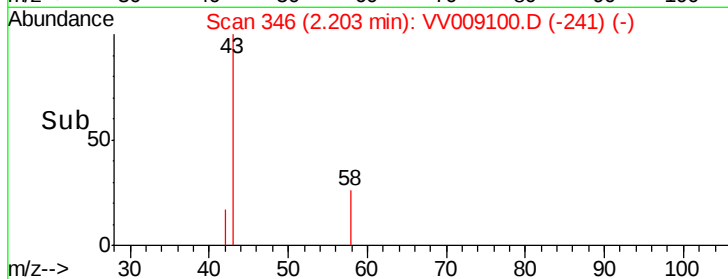
600

400

200

0

Time-->



#16

Methylene chloride

Concen: 2.188 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV009100.D

Acq: 20 Dec 2018 23:25

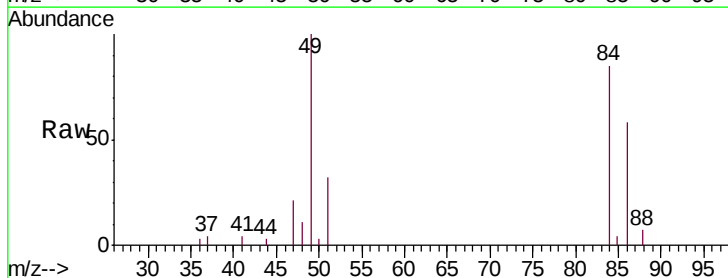
Tgt Ion: 84 Resp: 6415

Ion Ratio Lower Upper

84 100

49 118.1 80.5 149.5

86 68.2 45.5 84.5



Abundance Ion 84.00 (83.70 to 84.70): VV009100.D (-346) (-)

Ion 49.00 (48.70 to 49.70): VV009100.D (-346) (-)

Ion 86.00 (85.70 to 86.70): VV009100.D (-346) (-)

2.53

6000

5000

4000

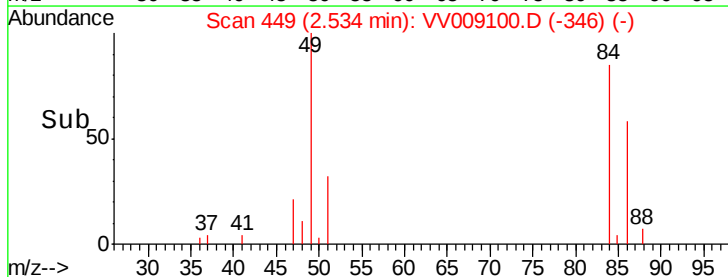
3000

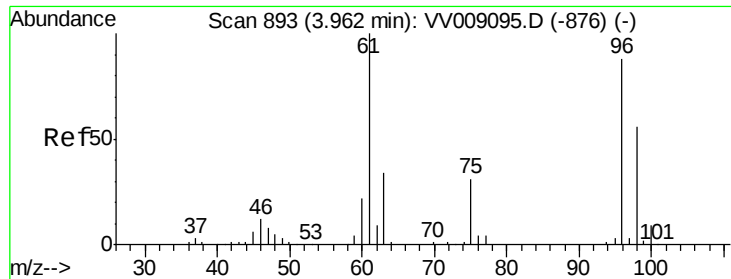
2000

1000

0

Time-->



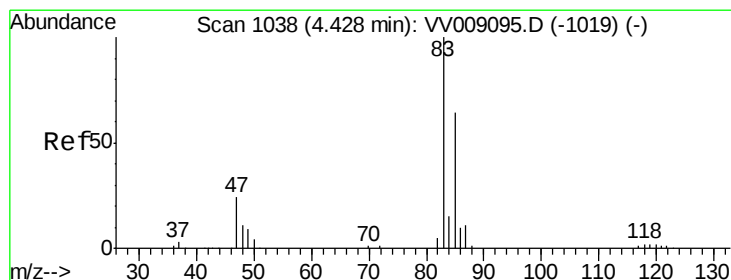
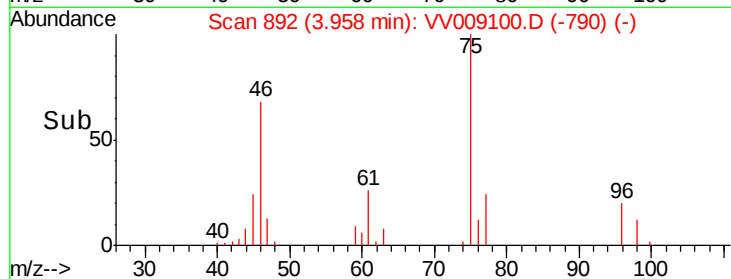
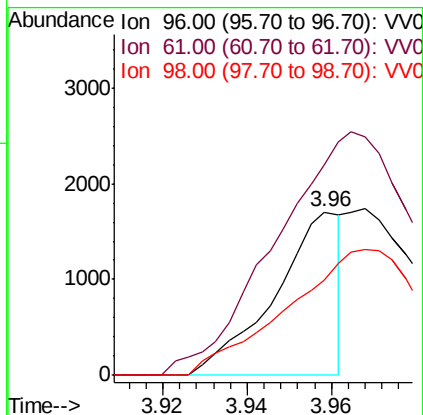
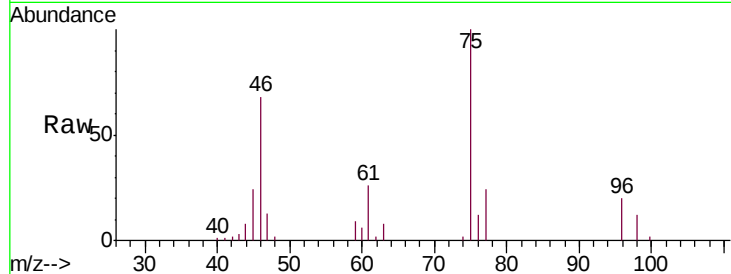


#22

cis-1,2-Dichloroethene
Concen: 0.735 ug/L
RT: 3.96 min Scan# 892
Delta R.T. -0.00 min
Lab File: VV009100.D
Acq: 20 Dec 2018 23:25

Instrument :
MSVOA_V
ClientSampleId :
C0JG5RE

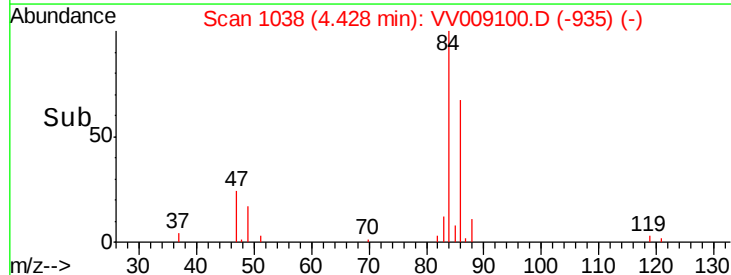
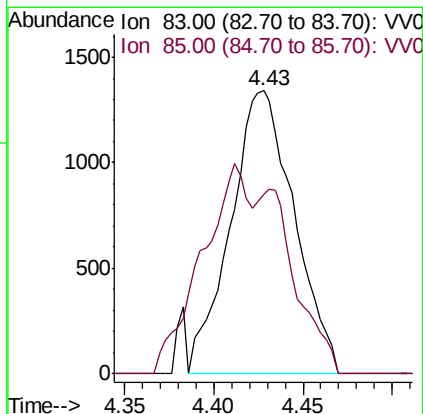
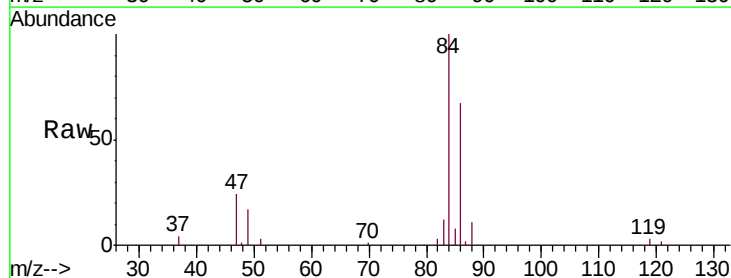
Tgt Ion: 96 Resp: 1859
Ion Ratio Lower Upper
96 100
61 129.0 86.2 160.0
98 58.3 45.6 84.6

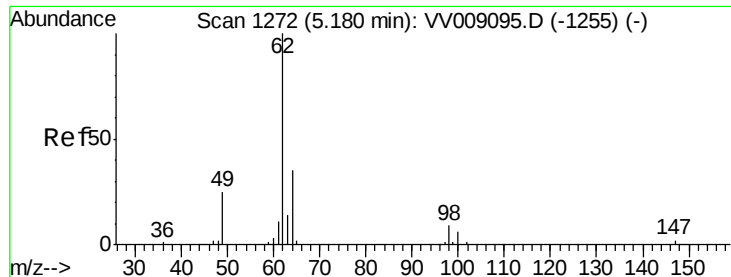


#25

Chloroform
Concen: 0.790 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV009100.D
Acq: 20 Dec 2018 23:25

Tgt Ion: 83 Resp: 3334
Ion Ratio Lower Upper
83 100
85 55.7 45.6 84.8

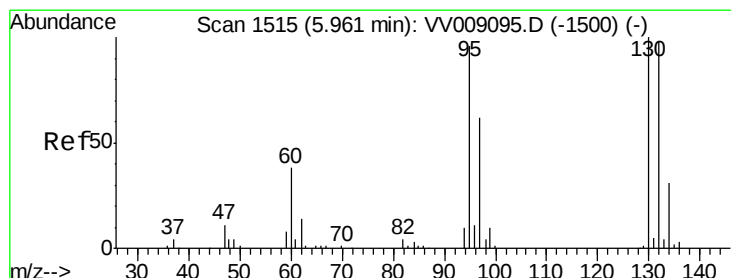
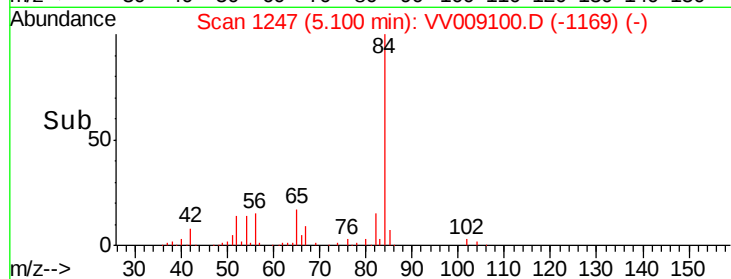
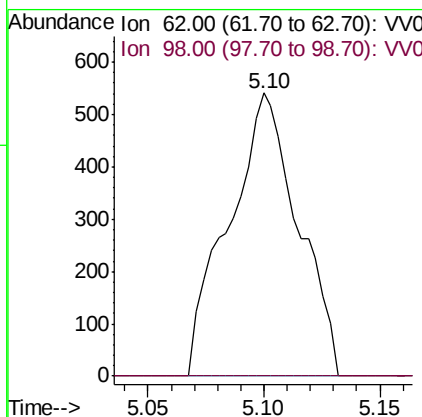
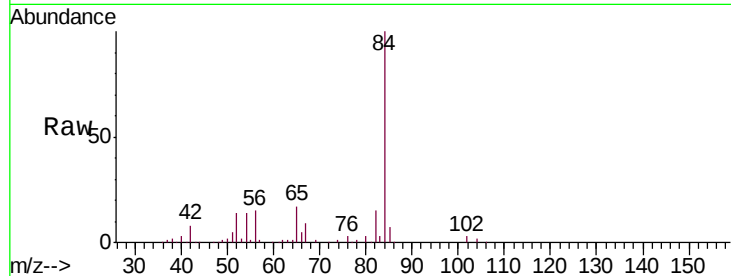




#27
 1,2-Dichloroethane
 Concen: 0.391 ug/L
 RT: 5.10 min Scan# 1247
 Delta R.T. -0.08 min
 Lab File: VV009100.D
 Acq: 20 Dec 2018 23:25

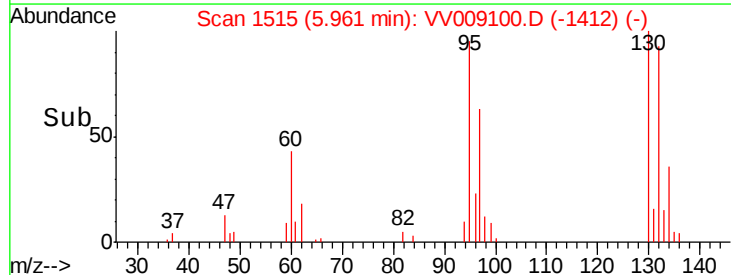
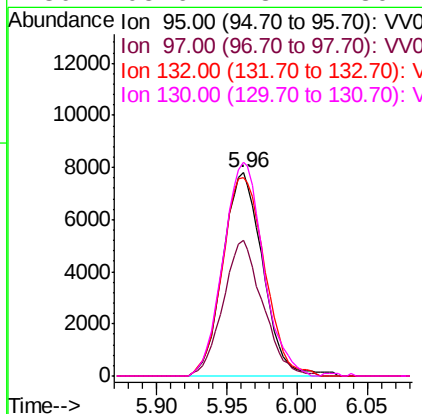
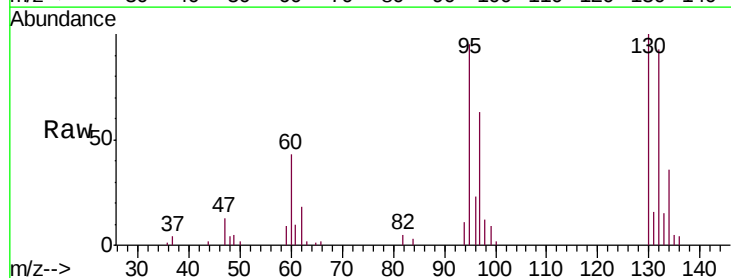
Instrument :
 MSVOA_V
 ClientSampleId :
 C0JG5RE

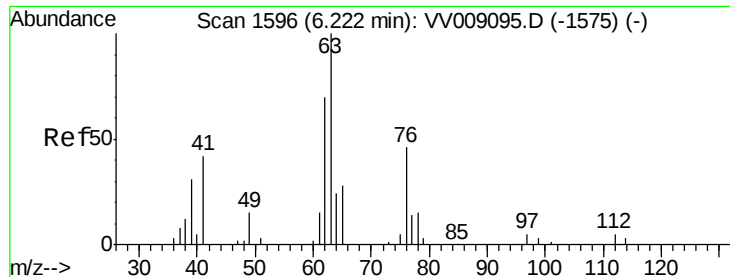
Tgt Ion: 62 Resp: 1124
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.4 11.0#



#35
 Trichloroethene
 Concen: 6.097 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. -0.00 min
 Lab File: VV009100.D
 Acq: 20 Dec 2018 23:25

Tgt Ion: 95 Resp: 15425
 Ion Ratio Lower Upper
 95 100
 97 66.3 45.3 84.1
 132 103.1 70.0 130.0
 130 105.6 73.4 136.4





#40

1,2-Dichloropropane

Concen: 3.442 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.11 min

Lab File: VV009100.D

Acq: 20 Dec 2018 23:25

Instrument :

MSVOA_V

ClientSampleId :

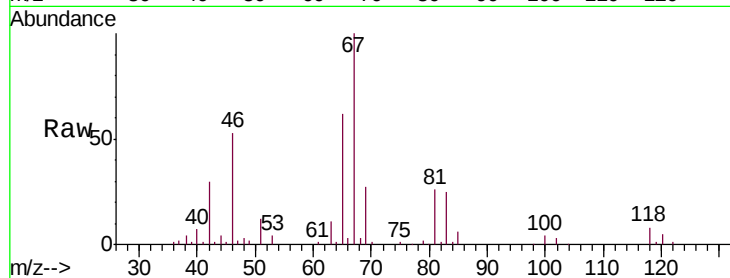
C0JG5RE

Tgt Ion: 63 Resp: 6932

Ion Ratio Lower Upper

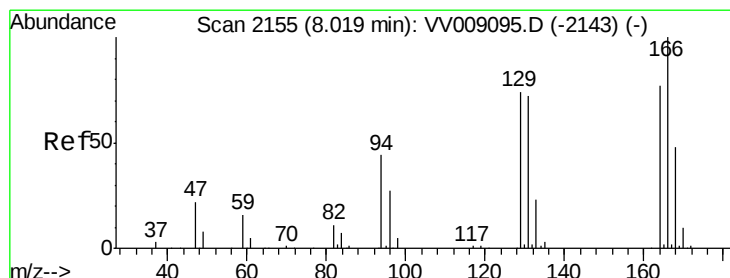
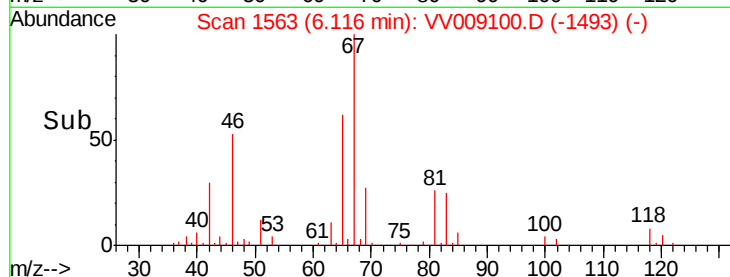
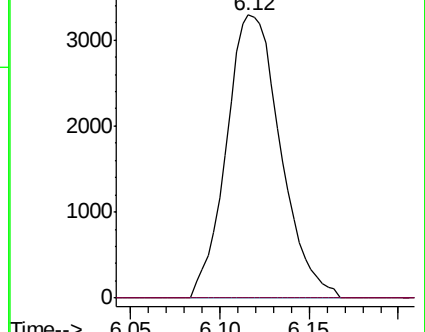
63 100

112 0.0 3.8 5.8#



Abundance Ion 63.00 (62.70 to 63.70): VV009095.D (-1575) (-)

Ion 112.00 (111.70 to 112.70): VV009095.D (-1575) (-)



#47

Tetrachloroethene

Concen: 0.469 ug/L

RT: 8.03 min Scan# 2158

Delta R.T. 0.01 min

Lab File: VV009100.D

Acq: 20 Dec 2018 23:25

Tgt Ion: 164 Resp: 965

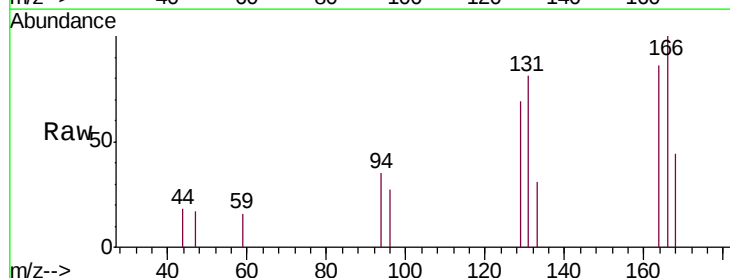
Ion Ratio Lower Upper

164 100

129 79.6 64.6 120.0

131 94.2 64.5 119.7

166 115.7 88.7 164.7

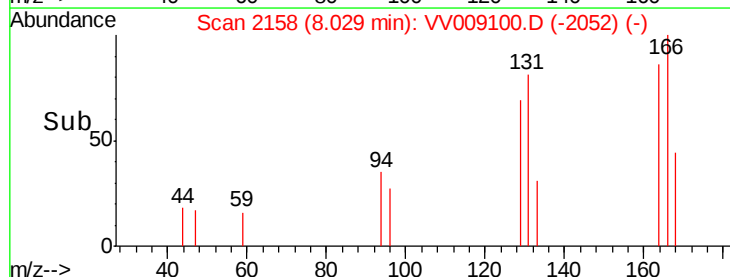
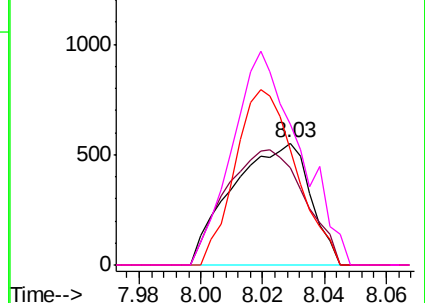


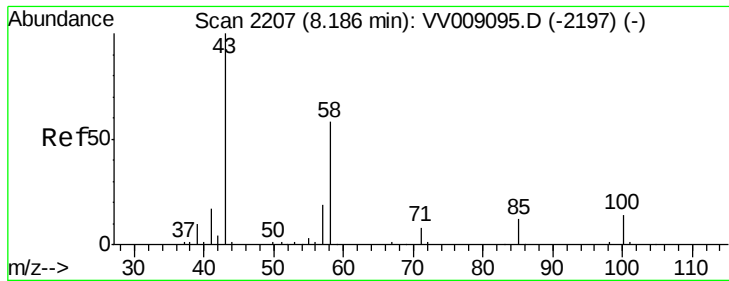
Abundance Ion 164.00 (163.70 to 164.70): VV009095.D (-2143) (-)

Ion 129.00 (128.70 to 129.70): VV009095.D (-2143) (-)

Ion 131.00 (130.70 to 131.70): VV009095.D (-2143) (-)

Ion 166.00 (165.70 to 166.70): VV009095.D (-2143) (-)

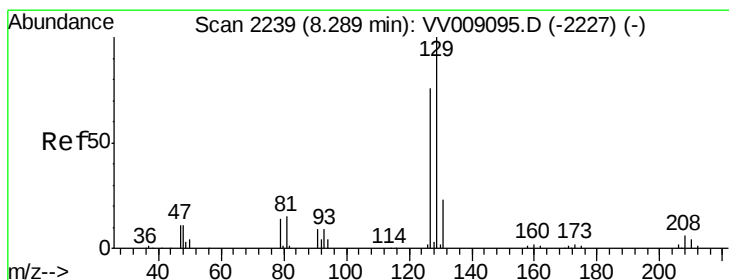
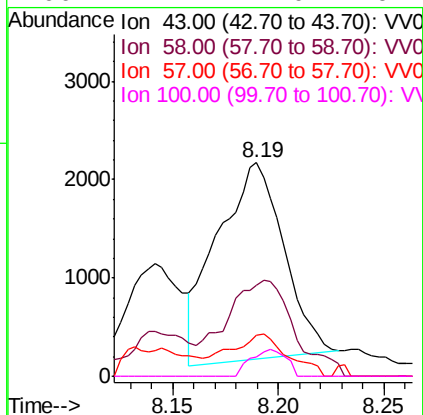
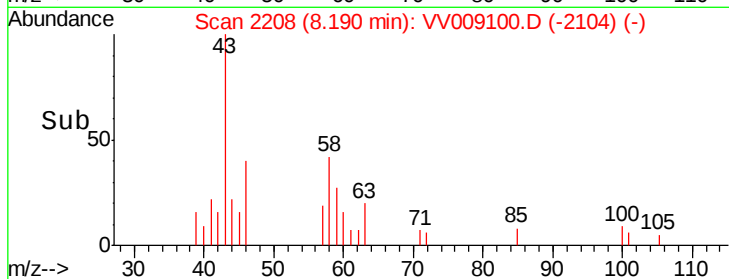
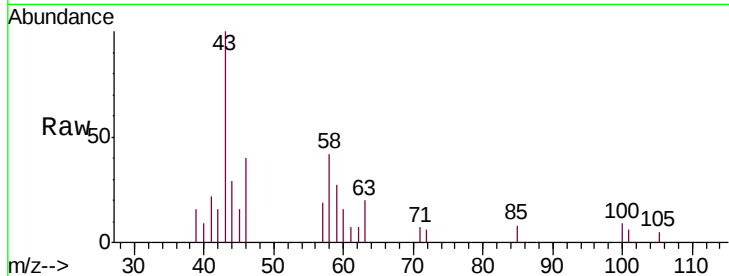




#49
2-Hexanone
Concen: 3.919 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV009100.D
Acq: 20 Dec 2018 23:25

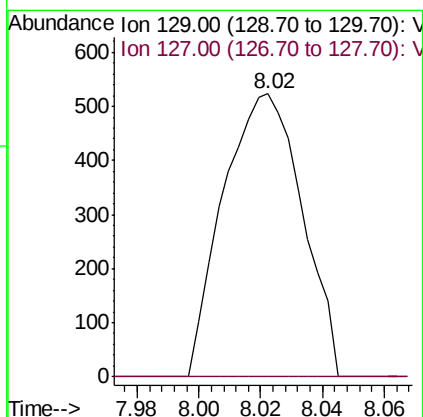
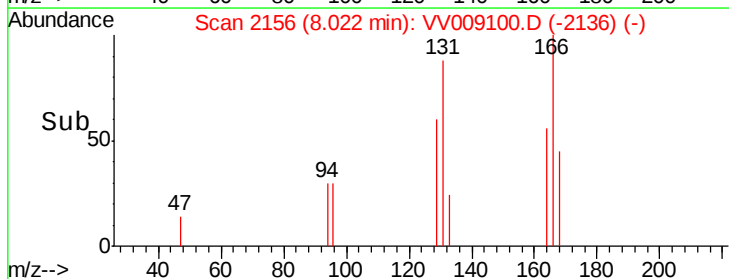
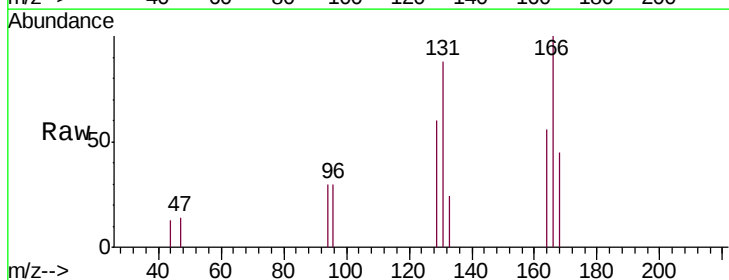
Instrument :
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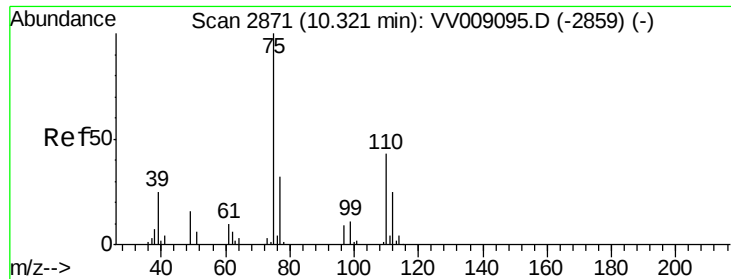
Tgt Ion: 43 Resp: 4414
Ion Ratio Lower Upper
43 100
58 44.9 43.9 65.9
57 13.5 15.7 23.5#
100 7.2 11.0 16.4#



#50
Dibromochloromethane
Concen: 0.482 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. -0.27 min
Lab File: VV009100.D
Acq: 20 Dec 2018 23:25

Tgt Ion: 129 Resp: 928
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.3#





#59

1,2,3-Trichloropropane

Concen: 3.252 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV009100.D

Acq: 20 Dec 2018 23:25

Instrument :

MSVOA_V

ClientSampleId :

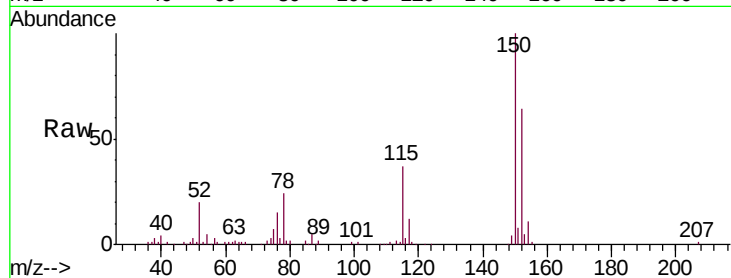
C0JG5RE

Tgt Ion: 75 Resp: 5105

Ion Ratio Lower Upper

75 100

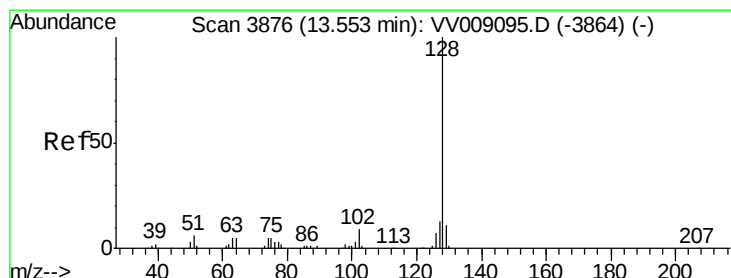
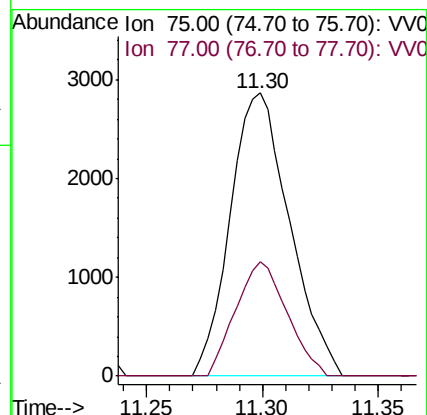
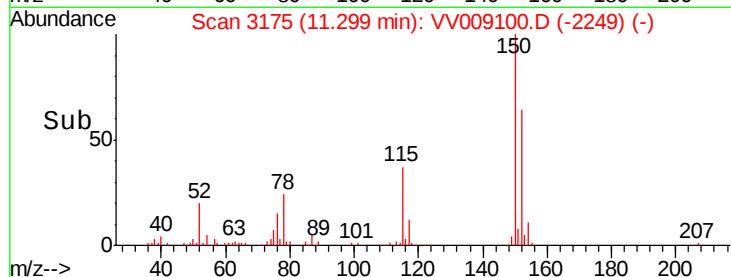
77 34.8 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VV009095.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV009095.D (-2859) (-)

Time-->



#69

Naphthalene

Concen: 0.343 ug/L

RT: 13.56 min Scan# 3879

Delta R.T. 0.01 min

Lab File: VV009100.D

Acq: 20 Dec 2018 23:25

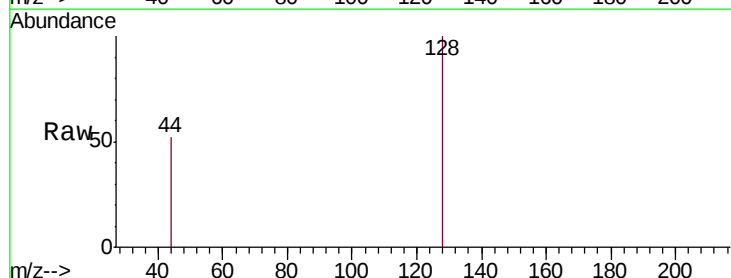
Tgt Ion: 128 Resp: 891

Ion Ratio Lower Upper

128 100

129 0.0 8.6 13.0#

127 0.0 10.0 15.0#



Abundance Ion 128.00 (127.70 to 128.70): VV009095.D (-3864) (-)

Ion 129.00 (128.70 to 129.70): VV009095.D (-3864) (-)

Ion 127.00 (126.70 to 127.70): VV009095.D (-3864) (-)

Time-->

